

REMARKS

In accordance with the foregoing, Claims have never been amended nor cancelled. Claims 1-20 are pending and under consideration.

The Examiner asserts that the structure of the slider and revolution unit are not clearly defined in claims 1 and 11.

However, the present application clearly discloses "The revolution unit 41 is constructed with a revolving member 45 with which the head caps 31 are coupled, a shaft 43 to couple the revolving member 45 to move upward and downward in the casing 21, and links 71 to connect the revolving member 45 and the slider 61."(paragraph [0029]). In addition, the present application discloses "The slider 61 has nearly a rectangular plate shape, and is provided with a wiper connecting portion 63 to which the wipers 51 are coupled, and a spittoon connecting portion 65 to which the spittoons 55 are installed. On interior walls of the casing 21 are provided sliding grooves to slidably accommodate both sliding sides 62 of the slider 61, respectively. The sliding grooves are opposite to each other in parallel in a horizontal direction, and extended along a lengthened direction between a front wall 27 and a rear wall of the casing 21."(paragraph [0031]).

As noted above, the structure of claims are well described.

REJECTION UNDER 35 U.S.C. §102:

The Office Action sets forth that, Lee discusses a slider (380, 110) to slide with respect to the head caps, and having wipers (210, 200) mounted on a front end portion thereof, a slider movement unit (2) to slide the slider;(figures 4-6; column 5, lines 32-65)

By way of review, Lee discusses "The cleaner 200 has a wiper body 220 formed by a pair of plates 221 and disposed within the space 111. The wiper 210 is positioned uprightly between the plates 221, a pair of pin members 230 are disposed at a pivot end 222 of the wiper body 220, respectively, and the pin members 230 extend laterally from the wiper body 220 and are pivotally inserted into the holes 120. The wiper body 220 is disposed at rear end of the housing 110 and has a slant guide surface 223 below the pivot end 222, as shown in FIG. 4. When the cleaner 200 is positioned horizontally, a lower end of the slant guide surfaces 223 is disposed above a lower end of the inclined portion 140'a of the second guide slots 140', as shown in FIG. 6.

In contrast, claim 1 recites "a slider to slide with respect to the head caps, and having wipers mounted on a front end portion thereof"(emphasis added).

Thus, Lee fails to disclose wipers mounted on a front end of portion thereof as recited in claim 1.

Further, the Office Action sets forth that two pair of guide pins 380 and a housing 110 is a slider as recited in claim 1.

However, Lee discusses 110 is a housing and 380 is a guide pin, respectively.

In addition, the Office Action alleges that a carriage 2 is a slider movement unit to slide the slider. However, Lee discloses "a head 1 is moved along a guide shaft 6 by the carriage 2 and performs a printing by injecting ink on paper through a nozzle 7"(col. 3, lines 44-46) but fails to disclose "a slider movement unit to slide the slider" as recited in claim 1.

Furthermore, the Office Action sets forth that moving member 310 in Lee is a revolution unit as recited in claim 1. However, the moving member 310 is moved to the position shown in FIG. 6 by the spring force of the spring 370. (col. 7, lines 53-54)

As noted above, the moving member does not revolve (i.e., rotate) but just slide along with the first and second guide slots.

Thus, Lee fails to disclose "a revolution unit disposed between the head caps and the slider to revolve the head caps in association with the sliding of the slider with respect to the head caps" as recited in claim 1.

As such, it is respectfully submitted that Lee does not disclose the invention recited in claim 1.

In addition, claim 11 is also deemed to patentable due at least the same reasons as of claim 1, as well as for the additional recitations therein.

REJECTION UNDER 35 U.S.C. §103:

Claim 10 is rejected under 35 U.S.C. 103(a) as being unpatentable over Lee (U.S. Patent No. 6,334,663) in view of Tee et al. (U.S. Patent No. 6,679,579).

The Office Action sets forth that Tee et al. discloses "the slider slides in a perpendicular direction with respect to a printing direction of the printer heads (Figures 1-2; column 3, Lines 30-40)

By way of review, Tee et al. discusses "the wiper gear is rotated by a motor (not shown) in the printer through a gear train (not shown) therebetween as generally understood in the art. In addition, both the slot and the rack 220 extend in a direction substantially parallel to the direction in which the nozzles (not shown) of the printhead 110 are aligned. Such a direction substantially parallel to the media advancement direction 234, in which the media sheet is advanced through the print zone 106 (FIG. 1) during printing operations.(col. 3, lines 30-39)

As noted above, only a slot, and rack 220 are discussed but fails to disclose "wherein the slider sliders in a perpendicular direction with respect to a printing direction of printer heads" as recited in claim 10.

As such, it is respectfully submitted that the combination of Lee and Taylor et al. does not disclose or suggest the invention recited in claim 10.

In addition, claim 10 is deemed patentable due at least to its depending from claim 1, as well as for the additional recitations thereof.

OBJECTIONS TO THE CLAIMS:

As mentioned above, at page 4 of the Office Action, claims 2-8 and 12-21 are objected to as being dependent upon a rejected base claim, but would be allowable if rewritten in independent form including all of the limitations of the base claim and any intervening claims.

However, applicants respectfully request for the reconsideration based on above mentioned reasons.

As such, it is respectfully submitted that claims 2-9 and 12-21 are allowable.

CONCLUSION:

There being no further outstanding objections or rejections, it is submitted that the application is in condition for allowance. An early action to that effect is courteously solicited.

Finally, if there are any formal matters remaining after this response, the Examiner is requested to telephone the undersigned to attend to these matters.

If there are any additional fees associated with filing of this Amendment, please charge the same to our Deposit Account No. 19-3935.

Respectfully submitted,

STAAS & HALSEY LLP

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By: 

Sang Chul Kwon
Limited Recognition No. L0218

1201 New York Avenue, N.W., 7th Floor
Washington, D.C. 20005
Telephone: (202) 434-1500
Facsimile: (202) 434-1501